

1631

RAW SEQUENCE LISTING DATE: 07/17/2000  
 PATENT APPLICATION: US/09/149,716B TIME: 14:02:34

Input Set : D:\ippz002lus.app.txt  
 Output Set: N:\CRF3\07172000\I149716B.raw

4 <110> APPLICANT: Stuve, Laura L.  
 5 Gooding, Douglas H.  
 6 Mullahy, Sara J.  
 7 Garrow, Bonnie L.  
 8 Klemm, Juli D.  
 10 <120> TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM RAT CEREBRAL HEMISPHERE.  
 12 <130> FILE REFERENCE: PZ-0021 US  
 14 <140> CURRENT APPLICATION NUMBER: 09/149,716B  
 C--> 15 <141> CURRENT FILING DATE: 1998-09-08  
 17 <150> PRIOR APPLICATION NUMBER: 60/058,540  
 W--> 18 <151> PRIOR FILING DATE: 97-09-09  
 20 <150> PRIOR APPLICATION NUMBER: 60/069,690  
 W--> 21 <151> PRIOR FILING DATE: 97-12-11  
 23 <160> NUMBER OF SEQ ID NOS: 4356  
 25 <170> SOFTWARE: PERL Program  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 265  
 29 <212> TYPE: DNA  
 30 <213> ORGANISM: Rattus norvegicus  
 32 <220> FEATURE:  
 33 <221> NAME/KEY: misc\_feature  
 34 <223> OTHER INFORMATION: Incyte ID No: 700184301H1  
 36 <220> FEATURE:  
 37 <221> NAME/KEY: unsure  
 38 <222> LOCATION: 53, 75, 120-121, 123  
 39 <223> OTHER INFORMATION: a, t, c, g, or other  
 41 <400> SEQUENCE: 1  
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 W--> 43 ggggagactg gaggnccgtg cagaccacg ggaatgccag ggacacgcgc cttgtttan 120  
 W--> 44 nangatgaag gggagccaac ctgagccatg gaaggatgac tgaggccgtg tcgctgggac 180  
 45 ctagaggggt ccacaggatc aggagccata gactgcacac agttggcccg acaatctgag 240  
 46 ctggcaccgg ctcttgggag atcct 265  
 48 <210> SEQ ID NO: 2  
 49 <211> LENGTH: 263  
 50 <212> TYPE: DNA  
 51 <213> ORGANISM: Rattus norvegicus  
 53 <220> FEATURE:  
 54 <221> NAME/KEY: misc\_feature  
 55 <223> OTHER INFORMATION: Incyte ID No: 700184302H1  
 57 <220> FEATURE:  
 58 <221> NAME/KEY: unsure  
 59 <222> LOCATION: 4, 17, 40, 71-73, 165, 169, 200, 208, 238  
 60 <223> OTHER INFORMATION: a, t, c, g, or other  
 62 <400> SEQUENCE: 2  
 W--> 63 tgangttaga ggctcnaaac cgttgccctc agtagactcn cgaactgggt ggcagttaca 60  
 W--> 64 gacagcatga nnnngcctta aaaagaacgc tcttaagaca tgctcctaaa ggtacgttcg 120  
 W--> 65 ttcagccttc attttcagaa taataagcag.cacaaggtga ctggntgcnc ctccctgggg 180

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W--> 66 cagacattta tagacctcan gttttcanac cactgggctt ttgggtctgt cagcgganga 240
67 gaagggtatatt cttgacttca gaa 263
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70 <211> LENGTH: 262
71 <212> TYPE: DNA
72 <213> ORGANISM: Rattus norvegicus
74 <220> FEATURE:
75 <221> NAME/KEY: misc_feature
76 <223> OTHER INFORMATION: Incyte ID No: 700184303H1
78 <220> FEATURE:
79 <221> NAME/KEY: unsure
80 <222> LOCATION: 36, 166, 254
81 <223> OTHER INFORMATION: a, t, c, g, or other
83 <400> SEQUENCE: 3
W--> 84 aaaagccgcg ctgtcctctc ctctgcaccg actctntcct gcggaaccat ggccagcccg 60
85 ctgcgctcct tgatgctact gctggccgct ctggccgtgg cctgggcccgg aacctccagg 120
W--> 86 ccaccccccgc gattgttggg agctccgcag gaggcagatg ccagcnagga gggcgtgcag 180
87 cgagcgttgg acttcgccgt aagcgagtac aacaagggca gcaacgatgc gtaccacagc 240
W--> 88 cgccgcatatc aggnnggtgag ag 262
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 256
92 <212> TYPE: DNA
93 <213> ORGANISM: Rattus norvegicus
95 <220> FEATURE:
96 <221> NAME/KEY: misc_feature
97 <223> OTHER INFORMATION: Incyte ID No: 700184304H1
99 <400> SEQUENCE: 4
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101 atactcactc agtgatgccg ttggcccccct agcaactcgta cttgctagaa atgcagttca 120
102 caagaaagt actaacttgc tcagaataac tgaaagtgc cacacatttc agtaagataa 180
103 ttaagtatca tggatgcaga ttttatctgg agggagaaagt gatgtatatt gtgattcttt 240
104 gtatacattt tctacg 256
106 <210> SEQ ID NO: 5
107 <211> LENGTH: 258
108 <212> TYPE: DNA
109 <213> ORGANISM: Rattus norvegicus
111 <220> FEATURE:
112 <221> NAME/KEY: misc_feature
113 <223> OTHER INFORMATION: Incyte ID No: 700184305H1
115 <220> FEATURE:
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117 <222> LOCATION: 256
118 <223> OTHER INFORMATION: a, t, c, g, or other
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122 gaaccctatc tgggtgtgaag ccttacgaat gtaaccagtg tggcaaaaggc ttgtgctacc 120
123 acagtcatct ccaaaggcat gaaaggacac aactggaga gaaaccttat taacataagc 180
124 aatgtgggaa agcctttgta agtctcagca aacttcagag gcataaatga attcatcctg 240
W--> 125 gagagaaatc tcaagntg 258

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129 <212> TYPE: DNA
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134 <223> OTHER INFORMATION: Incyte ID No: 700184307H1
136 <400> SEQUENCE: 6
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138 cctgctcccc gcaggtctaa gcagcactgg ggtattgaga cgtcgctttc actggagggtg 120
139 ctcatgcttc cggttggttg gcgtataacg gtagagctct cttgggttta ccagctttct 180
140 catccatagg caatacttgg atcttaaatg attagtgagc cactcgtctc tcagtgtttg 240
141 gctagttcta t 251
143 <210> SEQ ID NO: 7
144 <211> LENGTH: 247
145 <212> TYPE: DNA
146 <213> ORGANISM: Rattus norvegicus
148 <220> FEATURE:
149 <221> NAME/KEY: misc_feature
150 <223> OTHER INFORMATION: Incyte ID No: 700184309H1
152 <400> SEQUENCE: 7
153 tgtgacaaaa gttgtagac accatgtagc accattaact gctctagagc ctaatagaca 60
154 gtgtattttg tatttcatgt gtactttttc tgtttcatat tggacttttt acatcccttt 120
155 tttaggaaaa aaaggatata tttaaaaatt ttttagggtg atctgtattg gaagctaagt 180
156 atcctcacag ttagcaaaata tactttatca ccaaagctaa atgaaactgt aagataacctc 240
157 tggatat 247
159 <210> SEQ ID NO: 8
160 <211> LENGTH: 248
161 <212> TYPE: DNA
162 <213> ORGANISM: Rattus norvegicus
164 <220> FEATURE:
165 <221> NAME/KEY: misc_feature
166 <223> OTHER INFORMATION: Incyte ID No: 700184310H1
168 <400> SEQUENCE: 8
169 atggaatatt gagaataaca gcattagctt ttggataatg ctccctaatt gaaataatgg 60
170 atcagaacta atggttcctt tcctttctaa acagtctccc tgctaattgat accaagtaac 120
171 atttgaaaga gtaaaactga tcctgagttt cttgagttct tggaagatta aagtcaaacc 180
172 tggtaaccaa aggactgatt tgtgggtcct tcccacttta accaacttgt tcgaaaaccc 240
173 ctagtgg 248
175 <210> SEQ ID NO: 9
176 <211> LENGTH: 218
177 <212> TYPE: DNA
178 <213> ORGANISM: Rattus norvegicus
180 <220> FEATURE:
181 <221> NAME/KEY: misc_feature
182 <223> OTHER INFORMATION: Incyte ID No: 700184312H1
184 <400> SEQUENCE: 9
185 ggcttgtaac tccttttagag tgggacctg tccaccgttg gcagctgtgg atgggacact 60
186 gaaaactgtg ttggacttaa gagcctgaat tcccaggatt tagctttctt cccactatgt 120

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187 aatatctcag tatctcaagt ttgatctcag agatcaaact tgggttatat ggggccatct 180
188 ctataagggc tgaagaaggc cctcatcgag gaactcac 218
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191 <211> LENGTH: 248
192 <212> TYPE: DNA
193 <213> ORGANISM: Rattus norvegicus
195 <220> FEATURE:
196 <221> NAME/KEY: misc_feature
197 <223> OTHER INFORMATION: Incyte ID No: 700184313H1
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200 aaatgatata attaatcat aatacaaaaa tataaaaagca ataattttat aagagatgtg 60
201 ttctctcaat tgtcatgatt tcttgactgt acaaaaaacta cagttattaa aatatatgat 120
202 taatatctca taggatattt gggataccct gtctgaatga ccacagcagc tcttgaaatc 180
203 atgaagtatg atatcattct agttctgtcg ttacagtata ggagtttttaa cttcctccac 240
204 gtgcgaca 248
206 <210> SEQ ID NO: 11
207 <211> LENGTH: 251
208 <212> TYPE: DNA
209 <213> ORGANISM: Rattus norvegicus
211 <220> FEATURE:
212 <221> NAME/KEY: misc_feature
213 <223> OTHER INFORMATION: Incyte ID No: 700184314H1
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217 ccagaccgcc cgctccagga ccaacccaag ctccgcaggc cgcgcgccgc catggggggtg 120
218 gaaggctgca ccaaatgcat caaatacctg ctcttcgtct tcaatttcgt cttctggctg 180
219 gctggagggtg tgatcctagg ttagctctg tggttgccgc atgatccaca aaccaccagc 240
220 cttctctacc t 251
222 <210> SEQ ID NO: 12
223 <211> LENGTH: 253
224 <212> TYPE: DNA
225 <213> ORGANISM: Rattus norvegicus
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229 <223> OTHER INFORMATION: Incyte ID No: 700184315H1
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233 cagtgggttaa gtggttaaga ggaggtgat tgagttccca gcgcctacac ggtggctcgc 120
234 catccataac tcctgtccca ggggatccag taccctctta tgacctcctt gaacattgcc 180
235 catgttggtt gcacacatgc atgcaggcaa aagcatccat acacacaaaa caaatgtaaa 240
236 gtttttaaaag att 253
238 <210> SEQ ID NO: 13
239 <211> LENGTH: 256
240 <212> TYPE: DNA
241 <213> ORGANISM: Rattus norvegicus
243 <220> FEATURE:
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245 <223> OTHER INFORMATION: Incyte ID No: 700184316H1
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 Output Set: N:\CRF3\07172000\I149716B.raw

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248 atttgtgtgc aacagtgaga ggaatcttact ggaaaaatct acagagaagg ttccaaacag 60
249 atgtcttatg aggtggtaat gacacgcca caagctaccc tgtagaatcc attgataccc 120
250 atatcctaac acaagctgat ctctgaacc tgtgtccaag gcagagtta cctagaagtt 180
251 tcctcaagac ttcccaaaag tcagaacatt tcatatttca gacactgtaa aaatcccaca 240
252 ctgtctctgg agacaa 256
254 <210> SEQ ID NO: 14
255 <211> LENGTH: 260
256 <212> TYPE: DNA
257 <213> ORGANISM: Rattus norvegicus
259 <220> FEATURE:
260 <221> NAME/KEY: misc_feature
261 <223> OTHER INFORMATION: Incyte ID No: 700184318H1
263 <220> FEATURE:
264 <221> NAME/KEY: unsure
265 <222> LOCATION: 68
266 <223> OTHER INFORMATION: a, t, c, g, or other
268 <400> SEQUENCE: 14
269 gttacgaata tctgcggtgc tgtgtgccaa cccgtacagc cgcctctgca agcgaccagc 60
W--> 270 actgcagnga caggaccat atcgctcaca aatcccacta ttcaacggcc.tttctcttct 120
271 tctaattata ccaagaaggc agtctctggt gcagtaacct ctctgcaagc actttgtagt 180
272 ctacgcccac accgaggctt ttctctatcc cagcttgagt gtggtatatt aataaacggt 240
273 ctctcagcct cctgggggtgc 260
275 <210> SEQ ID NO: 15
276 <211> LENGTH: 252
277 <212> TYPE: DNA
278 <213> ORGANISM: Rattus norvegicus
280 <220> FEATURE:
281 <221> NAME/KEY: misc_feature
282 <223> OTHER INFORMATION: Incyte ID No: 700184321H1
284 <400> SEQUENCE: 15
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286 atggcattgt gaagcacttc cataaacctg agaaagagcg tggcagtctg acgctggtgc 120
287 ttgttgagga gtgtggtctc gtttcagcac tggagcaagc ttccagcat ggatttaaatt 180
288 caccgagct ctcaaaaaat gtcttcattt gggacttctt ggagaaagca caaacctatt 240
289 atgagacggt ag 252
291 <210> SEQ ID NO: 16
292 <211> LENGTH: 250
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302 tggccaacac ttctgggaaa tcaagatgac ctctccggtg tatggcactg atatgatggt 120
303 gggcatcggg acatcagacg tagacctgga caagtaccac cacacgttct gcagcctgct 180
304 gggcagggat gaagacagct gggggctctc ctacacgggg ctctccacc acaaaggcga 240
305 caagacgagc 250
307 <210> SEQ ID NO: 17

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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.